

Remarks

Upon entry of the foregoing amendment, claims 75-81, 83-92, 94-104, 106-115, and 117-123 are pending in the application, with claims 75, 86, 97, and 109 being the independent claims. Claims 75, 86, 97, and 109 are sought to be amended. Claims 76, 77, 87, 88, 100, 101, 110, and 111 are also amended to correct informalities that result from the amendment of claims 75, 86, 97, and 109. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Claim Objections

Claim 109 is objected to because of an informality in a phrase of the claim. Claim 109 has been amended appropriately to overcome this objection. Withdrawal of the objection to claim 109 is respectfully requested.

Rejections under 35 U.S.C. § 102

Claims 75, 79, 81, 83, 85, 86, 90, 92, 94, 96, 97, 98, 99, 106, 108, 109, 113, 115, 117, and 119 are rejected under 35 U.S.C. 102(e) as allegedly being anticipated by U.S. Patent. No. 6,094,084 to Abou-Allam et al. (hereinafter "Abou-Allam"). Applicants respectfully traverse this rejection.

Independent claim 75 has been amended to recite, among other features, "wherein a value of capacitance for the capacitor is selected based on a frequency of energy transfer pulses, an aperture duration of the transistor, and a resistor value". Accordingly, claim 75, as amended, is patentable over Abou-Allam. Reconsideration and withdrawal of the rejection of claim 75 is respectfully requested.

Claims 86, 97, and 109, as amended, recite similar features as recited in amended claim 75. For at least the reasons provided above with respect to claim 75, claims 86, 97, and 109 are patentable over Abou-Allam. Reconsideration and withdrawal of the rejection of claims 86, 97, and 109 is respectfully requested.

Claims 79, 81, 83, and 85 depend directly from claim 75. For at least the reasons provided above with respect to claim 75, claims 79, 81, 83 and 85 are patentable over Abou-Allam. Reconsideration and withdrawal of the rejection of claims 79, 81, 83, and 85 is respectfully requested.

Claims 90, 92, 94 and 96 depend directly from claim 86. For at least the reasons provided above with respect to claim 86, claims 90, 92, 94 and 96 are patentable over Abou-Allam. Reconsideration and withdrawal of the rejection of claims 90, 92, 94, and 96 is respectfully requested.

Claims 98, 99, 106 and 108 depend directly from claim 97. For at least the reasons provided above with respect to claim 97, claims 98, 99, 106 and 108 are patentable over Abou-Allam. Reconsideration and withdrawal of the rejection of claims 98, 99, 106 and 108 is respectfully requested.

Claims 113, 115, 117, and 119 depend directly from claim 109. For at least the reasons provided above with respect to claim 109, claims 113, 115, 117, and 119 are patentable over Abou-Allam. Reconsideration and withdrawal of the rejection of claims 113, 115, 117, and 119 is respectfully requested.

Rejections under 35 U.S.C. § 103

Claims 76, 80, 84, 87, 91, 95, 100, 103, 104, 107, 110, 114, 118 are rejected under 35 U.S.C. 103(a) as allegedly being unpatentable over Abou-Allam.

Claims 76, 80, and 84 depend directly or indirectly from claim 75. For at least the reasons provided above with respect to amended claim 75, claims 76, 80, and 84 are patentable over Abou-Allam. Reconsideration and withdrawal of the rejection of claims 76, 80, and 84 is respectfully requested.

Claims 87, 91, and 95 depend directly or indirectly from claim 86. For at least the reasons provided above with respect to amended claim 86, claims 87, 91, and 95 are patentable over Abou-Allam. Reconsideration and withdrawal of the rejection of claims 87, 91, and 95 is respectfully requested.

Claims 100, 103, 104, and 107 depend directly or indirectly from claim 97. For at least the reasons provided above with respect to amended claim 97, claims 100, 103, 104, and 107 are patentable over Abou-Allam. Reconsideration and withdrawal of the rejection of claims 100, 103, 104, and 107 is respectfully requested.

Claims 110, 114, and 118 depend directly or indirectly from claim 109. For at least the reasons provided above with respect to amended claim 109, claims 110, 114, and 118 are patentable over Abou-Allam. Reconsideration and withdrawal of the rejection of claims 110, 114, and 118 is respectfully requested.

Claim Objections

Claims 77, 78, 88, 89, 101, 102, 111, 112, and 120-123 stand objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 77, 78, 88, 89, 101, 102, 111, 112, and 120-123 depend directly or indirectly from either of claims 75, 86, 97, or 109. Claims 75, 86, 97, and 109 have been amended herein to overcome their current rejections. Accordingly, claims 77, 78, 88, 89, 101, 102, 111, and 112, and 120-123 are patentable. Reconsideration and withdrawal of the objection to claims 77, 78, 88, 89, 101, 102, 111, 112, and 120-123 is respectfully requested.

Conclusion

Prompt and favorable consideration of this Amendment and Reply is respectfully requested. Applicants believe the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Patrick Garrett
Attorney for Applicants
Registration No. 39,987

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1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600
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